

8 wherein the accounting unit has a first entry to indicate a quality of service  
9 provided over the packet-based network, and a second entry to indicate mobility  
10 management.

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1 2. (Amended) The method of claim 1, wherein the determining, monitoring,  
2 and collecting are performed in a first entity, the method further comprising transmitting,  
3 from the first entity, the accounting unit to at least another entity.

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1 5. (Amended) The method of claim 1, further comprising using an  
2 accounting unit having a common format for convenient exchange between entities.

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A3

1 7. (Amended) The method of claim 1, wherein determining the type of  
2 service includes determining one of a plurality of service types, wherein collecting the  
3 accounting information comprises collecting an additional entry assigned a value to  
4 indicate a type of service.

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A4

1 16. (Amended) A method of accounting for services provided over a packet-  
2 based network, comprising:

3 communicating a unit of accounting information carrying information  
4 regarding usage of the packet-based network by a terminal, the unit of accounting  
5 information having a predetermined format capable of being exchanged between a  
6 plurality of entities; and

7 assigning values to entries in the unit of accounting information based on  
8 usage, the unit including a first entry indicating a quality of service provided over the  
9 packet-based network and a second entry containing a network access identifier of the  
10 terminal to uniquely identify the terminal.

1 17. (Amended) The method of claim 16, wherein assigning values to entries  
2 further includes assigning a value to an additional entry indicating a type of service.

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1           21.     (Amended) A system capable of being coupled to a packet-based network,  
2 comprising:

3                   a controller to collect usage information based on a service used by a node  
4 on the packet-based network; and

AS 5                   a storage device containing an accounting unit in which the usage  
6 information is collected, the accounting unit including a plurality of entries to identify  
7 usage elements from which accounting may be derived, the entries comprising a first  
8 entry to indicate a quality of service used by the node and a second entry to indicate  
9 usage of mobility management.

AS 1           24.     (Amended) The system of claim 21, wherein the entries of the accounting  
2 unit further comprise entries indicating elements used by a mobile node, including  
3 mobility management, usage of a radio interface, and usage of a visited network.

A7 1           26.     (Amended) The system of claim 21, wherein the accounting unit is  
2 according to a predetermined format, the controller to further communicate the  
3 accounting unit to another entity.

1           27.     (Amended) The system of claim 21, further comprising:  
2                   an accounting processor adapted to receive accounting units from at least  
3 one other entity.

AT 1           29.     (Amended) An article including one or more machine-readable storage  
2 media containing instructions for accounting for services used on a packet-based data  
3 network, the instructions when executed causing a system to:  
4                   determine usage elements associated with each service, the usage elements  
5 including a service type, amount of data communicated, and mobility management; and  
6                   collect accounting units each including entries identifying the usage  
7 elements.

1           30.     (Amended) The article of claim 29, wherein the one or more storage  
2 media contain instructions that when executed cause the system to further communicate  
3 the accounting units to another entity.

AS 1           31.     (Amended) A computer data signal embodied in a carrier wave comprising  
2 one or more code segments containing instructions for accounting for services used on a  
3 packet-based data network, the instructions when executed causing a system to:  
4                 receive accounting units from at least another entity, each accounting unit  
5 containing a first entry identifying a quality of service, a second entry identifying a  
6 terminal the accounting unit is associated with, and a third entry indicating usage of  
7 mobility management;  
8                 determine, from each accounting unit, usage of a service on the packet-  
9 based network; and  
10                charge at least a subscriber for the usage of the service.

1           32.     (Amended) A storage device for storing data for access by one or more  
2 software routines being executed on a system, comprising:  
3                 a data structure stored in the storage device and including a plurality of  
4 entries, the entries including a first field indicating a quality of service provided over a  
5 packet-based network, a second field indicating if the service is chargeable, and a third  
6 field including an identifier identifying a node using the service.

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    Add the following claims:

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AS 1           34.     (New) The method of claim 17, wherein assigning a value to the  
2 additional entry comprises assigning one of plural values corresponding to plural types of  
3 service.

1           35.     (New) The method of claim 34, wherein the plural types of service  
2 comprise real-time communications and at least another type of service.

1           36.     (New) The method of claim 16, wherein communicating the unit of  
2     accounting information comprises communicating a traffic matrix segment having a  
3     header and plural rows, each row containing accounting information associated with a  
4     session having a given time duration.

1           37.     (New) The method of claim 16, wherein assigning values to entries further  
2     includes assigning values to additional entries containing source and destination network  
3     addresses.

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1           38.     (New) The method of claim 16, further comprising monitoring usage of  
2     services on the packet-based network with an accounting meter, wherein assigning values  
3     to the entries is performed by the accounting meter.

1           39.     (New) The article of claim 29, wherein the usage elements further  
2     comprise quality of service, usage of air interface, and a network access identifier.

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